



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
NIVAS GUTTA ET AL.

Atty. Docket

US 010050

Serial No. 09/800,219

Group Art Unit:

Filed: MARCH 5, 2001

Title: AUTOMATIC POSITIONING OF DISPLAY DEPENDING UPON THE VIEWER'S LOCATION

Commissioner for Patents
Washington, D.C. 20231

RECEIVED

DEC 12 2002

LETTER

Technology Center 2100

Sir:

Pursuant to the duty of disclosure set forth in 37 CFR 1.56, Applicants call to the attention of the Patent and Trademark Office a Search Report issued abroad in reference to a corresponding foreign application. A copy of the Search Report dated OCTOBER 31, 2002 is attached.

The enclosed document is being called to the attention of the Patent and Trademark Office solely to comply with the duty of disclosure set forth in 37 CFR 1.56 and is not intended to be construed as an admission by the Applicants that any of the documents listed are material.

Respectfully submitted,

By Gregory L. Thorne
Gregory L. Thorne, Reg. 39,398
Attorney
(914) 333-9632

Encl. Search Report

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited this date with the United States Postal Service as first-class mail in an envelope addressed to:

COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

On December 6, 2002
By Noemi Chgoe

S:/TH/M

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT
OR THE DECLARATION

(PCT Rule 44.1)

U 7 NOV 2002

To:

INTERNATIONAAL OCTROOIBUREAU B.V.
Attn. Groenendaal, A. W. M.
Prof. Holstlaan 6
NL-5656 AA Eindhoven
NETHERLANDS

EEUW

Date of mailing
(day/month/year)

31/10/2002

Applicant's or agent's file reference

PHUS010050WO

FOR FURTHER ACTION

See paragraphs 1 and 4 below

International application No.

PCT/IB 02/ 00553

International filing date

(day/month/year)

21/02/2002

Applicant

KONINKLIJKE PHILIPS ELECTRONICS N.V.

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ **With regard to the protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau.

If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

02 NOV 14 AM 10:52

Name and mailing address of the International Searching Authority



European Patent Office, P.B. 5818 Patentlaan 2
NL-2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Mark Quinn

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | |
|--|---|--|
| Applicant's or agent's file reference PHUS010050W0 | FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below. | |
| International application No. PCT/IB 02/ 00553 | International filing date (day/month/year) 21/02/2002 | (Earliest) Priority Date (day/month/year) 05/03/2001 |
| Applicant KONINKLIJKE PHILIPS ELECTRONICS N.V. | | |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☒ Unity of invention is lacking (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

AUTOMATIC POSITIONING OF DISPLAY DEPENDING UPON THE VIEWER'S LOCATION OR GESTURE

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1
☐ None of the figures.

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-15

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-15

Claims 1-15 (should*) define the control of the positioning of a display screen based on information gained about the user from an image capture device (claims 1-12: location of the user; claims 13-15: gesture of the user).

(*: in claim 1, the user location detection and the adjustment of the display are defined side-by-side, without functional interconnection; i.e. there is no definition that the display is adjusted based on the detected location of the user; this definition occurs only in claim 4.)

2. Claims: 16, 17

Claims 16 and 17 define the control of the positioning of a display screen based on acoustic information from the user; where the type of acoustic information is speech and the information are commands uttered by the user.

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06K9/00 G09F11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06K G09F G06T G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, IBM-TDB, INSPEC, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | PATENT ABSTRACTS OF JAPAN vol. 018, no. 455 (E-1595), 24 August 1994 (1994-08-24) & JP 06 141309 A (CANON INC), 20 May 1994 (1994-05-20) cited in the application abstract --- | 1-15 |
| A | WO 99 56274 A (DELUCA MICHAEL J) 4 November 1999 (1999-11-04) abstract; figures 4-16 page 6, line 18 -page 9, line 23 --- | 1-15 |
| A | US 6 009 210 A (KANG SING BING) 28 December 1999 (1999-12-28) abstract; figure 1 --- | 1-12 |
| | -/-- | |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

7 August 2002

Date of mailing of the international search report

31. 10. 02

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Kessler, C

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|--|-----------------------|
| A | PATENT ABSTRACTS OF JAPAN vol. 1998, no. 06, 30 April 1998 (1998-04-30) -& JP 10 051755 A (FUJITSU LTD), 20 February 1998 (1998-02-20) abstract; figure 18 --- | 1-12 |
| A | --- CHELLAPPA R ET AL: "HUMAN AND MACHINE RECOGNITION OF FACES: A SURVEY" PROCEEDINGS OF THE IEEE, IEEE. NEW YORK, US, vol. 83, no. 5, 1 May 1995 (1995-05-01), pages 705-740, XP000517100 ISSN: 0018-9219 the whole document --- | 1-12 |
| A | --- BOEHME H-J ET AL: "Neural networks for gesture-based remote control of a mobile robot" NEURAL NETWORKS PROCEEDINGS, 1998. IEEE WORLD CONGRESS ON COMPUTATIONAL INTELLIGENCE. THE 1998 IEEE INTERNATIONAL JOINT CONFERENCE ON ANCHORAGE, AK, USA 4-9 MAY 1998, NEW YORK, NY, USA, IEEE, US, 4 May 1998 (1998-05-04), pages 372-377, XP010286548 ISBN: 0-7803-4859-1 the whole document --- | 13-15 |
| A | --- US 5 454 043 A (FREEMAN WILLIAM T) 26 September 1995 (1995-09-26) abstract; figures 1,2A-2C ----- | 13-15 |

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| JP 06141309 | A | 20-05-1994 | NONE | |
| ----- | | | | |
| WO 9956274 | A | 04-11-1999 | US 6215471 B1 | 10-04-2001 |
| | | | AU 3754099 A | 16-11-1999 |
| | | | WO 9956274 A1 | 04-11-1999 |
| ----- | | | | |
| US 6009210 | A | 28-12-1999 | NONE | |
| ----- | | | | |
| JP 10051755 | A | 20-02-1998 | US 6297846 B1 | 02-10-2001 |
| ----- | | | | |
| US 5454043 | A | 26-09-1995 | NONE | |
| ----- | | | | |